

## 6.0 ARROW PANELS

- 6.1 Arrow panels that are installed along the shoulder or median of roadways with prevailing speeds greater than 40 mph shall be provided with a minimum shoulder closure taper of  $1 \div 3$  the taper length, (See 7.0 Channelizing Devices). For all other roadways a 100 foot minimum shoulder closure taper shall be used.

## 7.0 CHANNELIZING DEVICES

### 7.1 Taper Formulas:

$L = WS$  for speeds greater than ( $>$ ) 40 mph

$L = WS^2 \div 60$  for speeds equal to or less than ( $\leq$ ) 40 mph

Where:  $L$  = minimum length of taper (ft)

$S$  = numerical value of prevailing travel speed or speed limit (MPH), whichever is higher, prior to work starting,



$W$  = width of offset (ft)

### 7.2 Maximum spacing between channelizing devices:

- a. Taper Channelization - shall be equal in feet to the posted speed limit.
- b. Tangent Channelization - shall be equal in feet to twice the posted speed limit.

- 7.3 Channelizing devices, especially at horizontal or vertical curves, are to be extended to a point where they are visible to approaching traffic. A full taper length (on two-lane, two-way roadways) shall always be provided in advance of curves.

- 7.4 Drums should always be used to form the taper on roadways having a posted or prevailing travel speed (whichever is higher) equal to or greater than 40 MPH.

SPECIFICATION <b>104</b>		CATEGORY CODE ITEMS	<b>Maryland Department of Transportation</b> <b>STATE HIGHWAY ADMINISTRATION</b> STANDARDS FOR HIGHWAYS AND INCIDENTAL STRUCTURES  <b>GENERAL NOTES</b>
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	APPROVAL 9-10-96	APPROVAL 9-27-96	
	REVISION 10-1-01	REVISION	
	REVISION	REVISION	
			<b>STANDARD NO. MD 104.00-09</b>